

FIG.1

002740-90905560

2/8

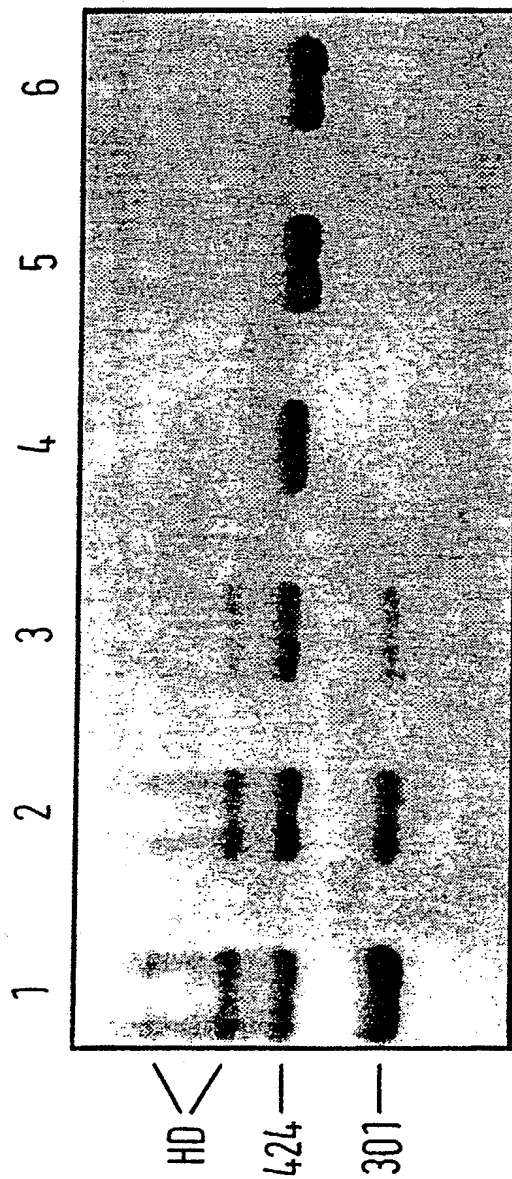


FIG.2

Sequence Alignment Across the Exon /Intron Border of KIT Exon 17

Allele	Gene Copy	Sequence													
		Exon 17							Intron 17						
I	KIT1	AAT	TAC	GTG	GTC	AAA	GGA	AAC	↓	GTG	AGT	ACC	CAC	GCT	CTC
	KIT2	...	...	...	...	...	...	...	A	...	...	...	...	...	...
I ^p	KIT1	...	...	...	...	...	...	...	G	...	...	...	...	...	...
	KIT1	...	...	...	...	...	...	...	G	...	...	...	...	...	...
i	KIT1	...	...	...	...	...	...	...	G	...	...	...	...	...	...

FIG.3

(a)

Kit 21

NlaIII site 1

41 bp

NlaIII site 2

80 bp

Kit 35

175 bp

54 bp

NlaIII Digestion

The image displays two lanes of a gel electrophoresis experiment. The left lane, labeled 'Normal KIT', contains a single horizontal band with a vertical tick mark at its right end, labeled '134 bp'. The right lane, labeled 'Splice Mutant KIT', contains two horizontal bands. The upper band has a vertical tick mark at its right end labeled '80 bp', and the lower band has a vertical tick mark at its right end labeled '41 bp'.

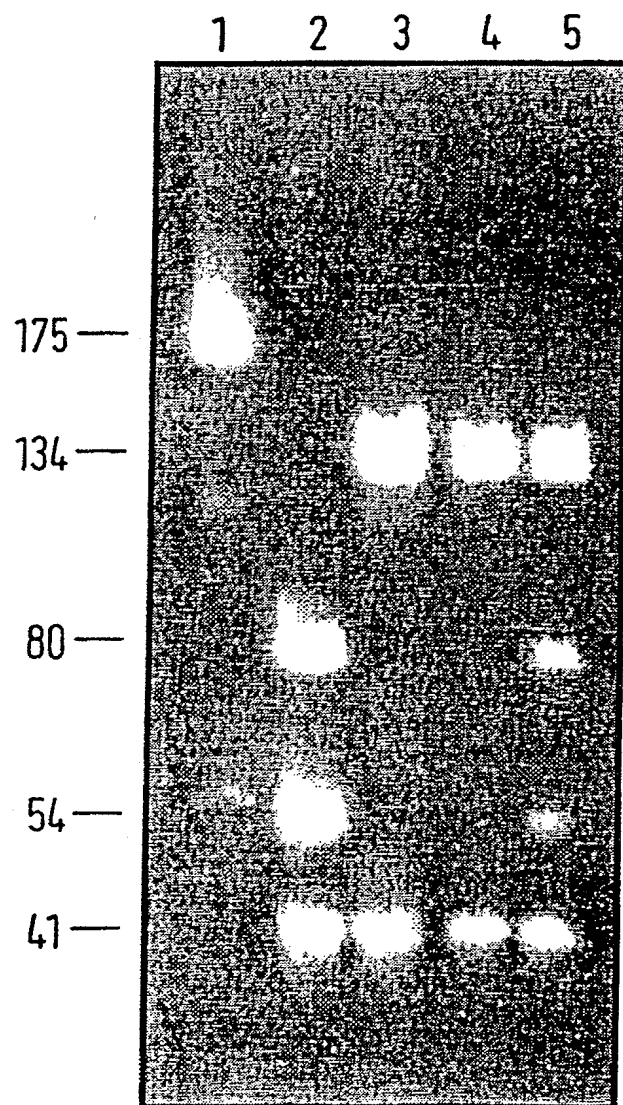


FIG.4(c)

002740-50505560

Ratio of normal to splice mutant KIT

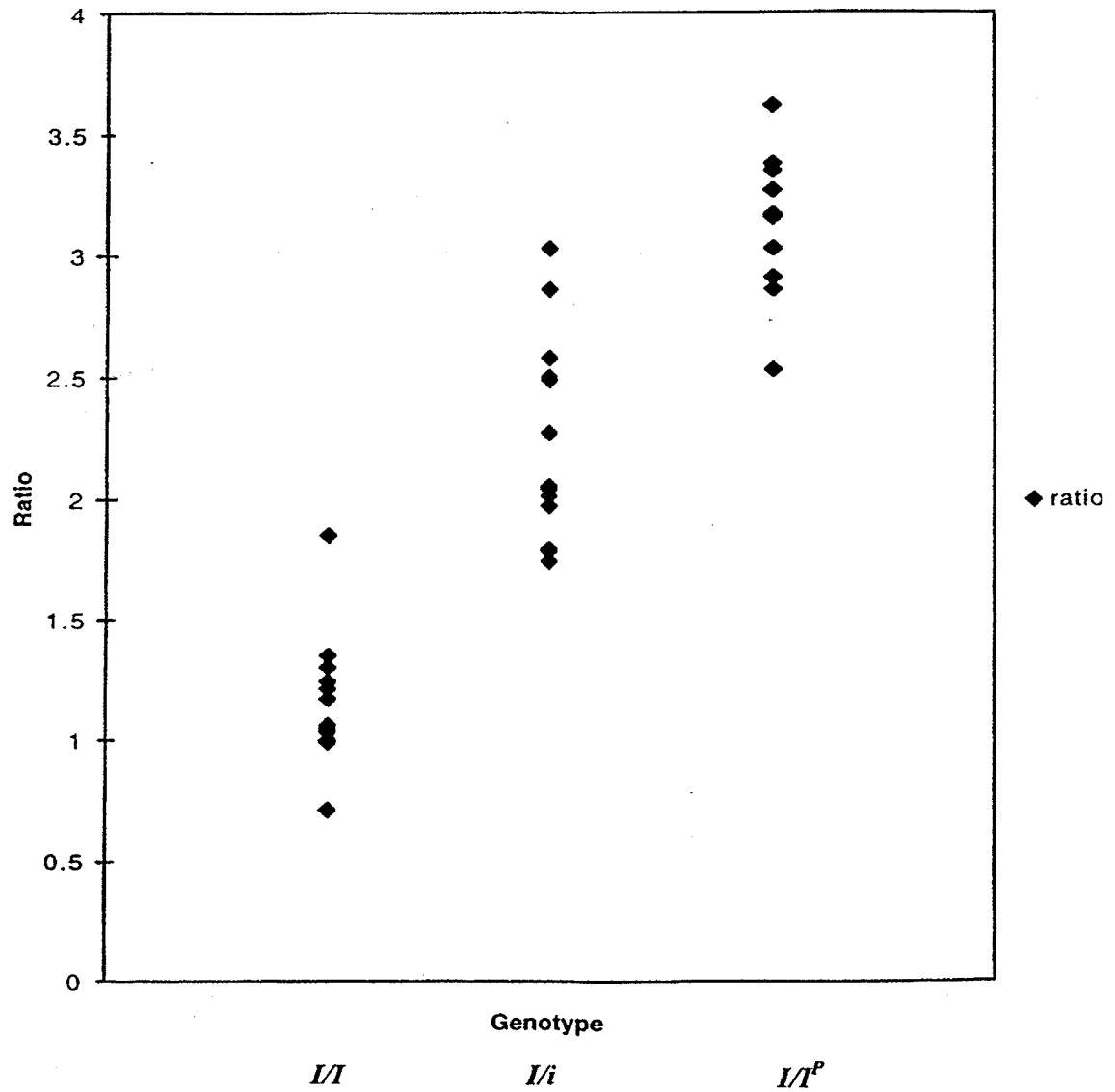


FIG.5

Ratios for Landrace and Large White

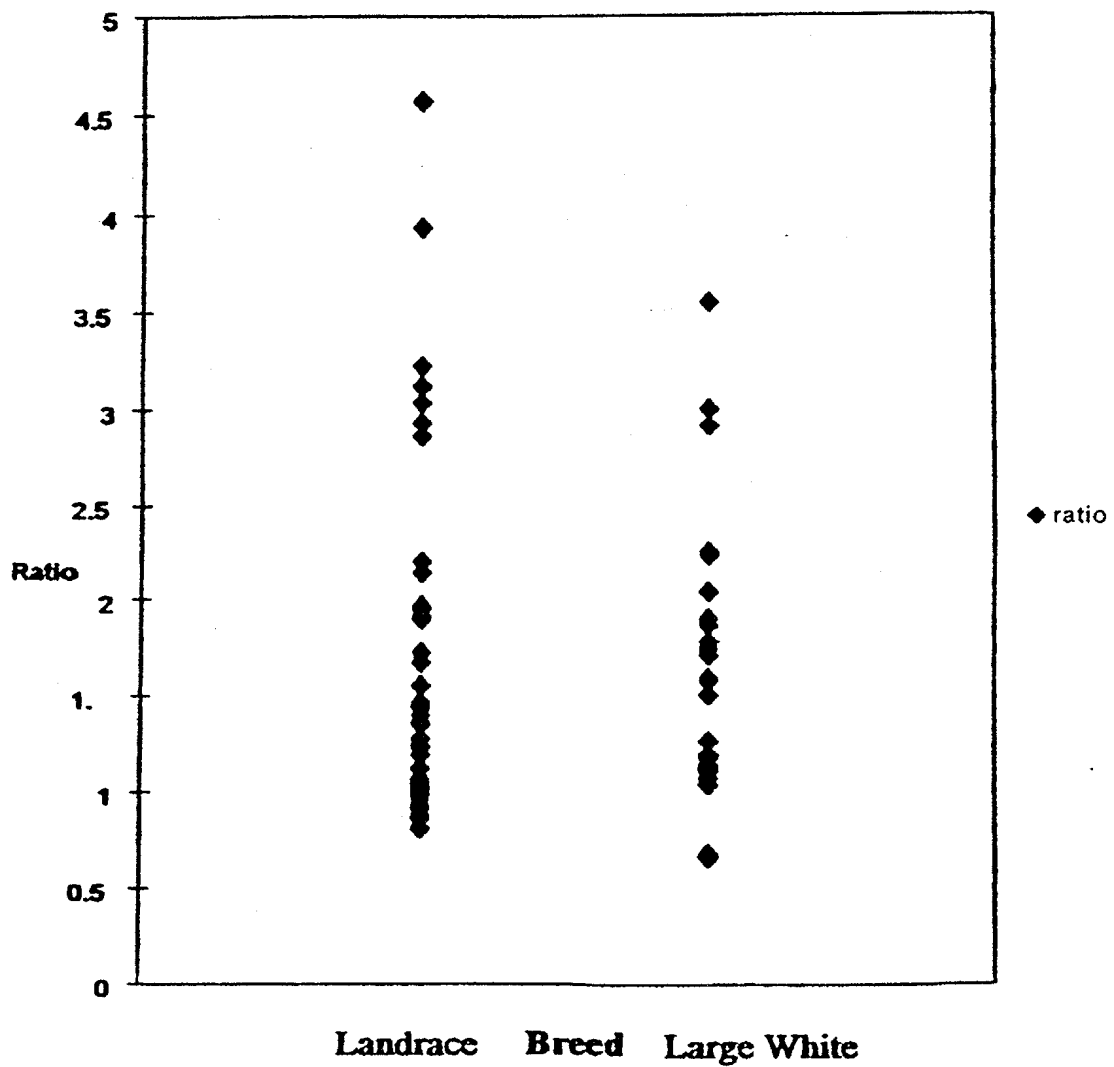


FIG.6

Plot of Ct FAM vs Ct TET for TaqMan based PCR
analysis of porcine KIT splice mutation genotype

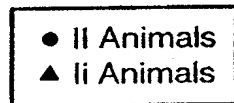
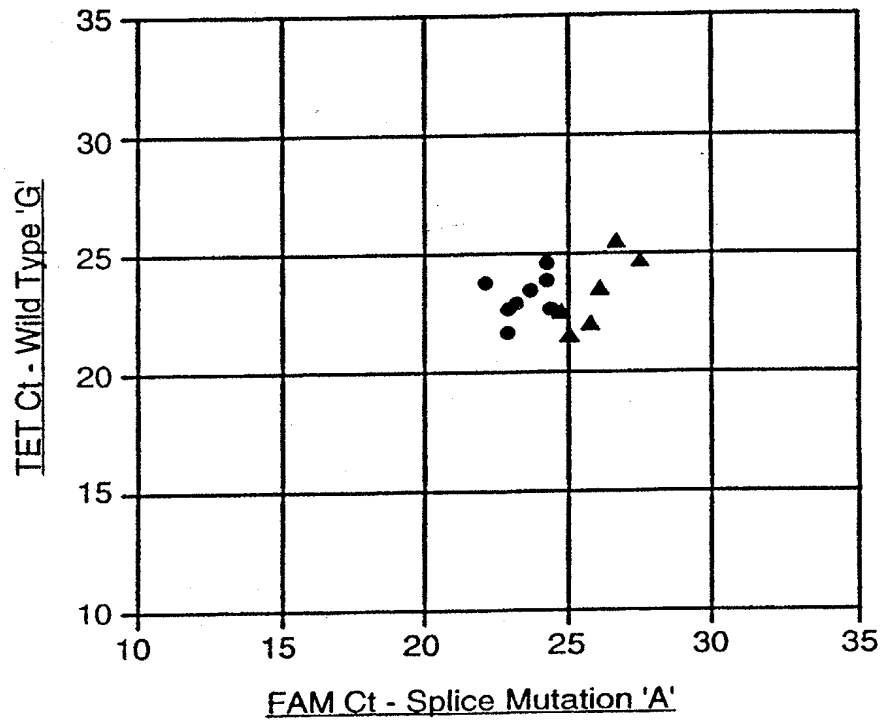


FIG.7